UNIVERSITY OF PATRAS
SCHOOL OF HEALTH SCIENCES
DEPARTMENT OF PHARMACY
UNDERGRADUATE STUDIES' COURSES

COURSE DESCRIPTION: **DIPLOMA THESIS II**
COURSE CODE: **PHA-E21-NEW**

DIPLOMA THESIS II
COURSE DESCRIPTION

1. GENERAL

SCHOOL	HEALTH SCIENCES		
SEPARTMENT	PHARMACY		
LEVEL OF COURSE	UNDERGRADUATE		
COURSE CODE	**PHA-E21-NEW**	**SEMESTER OF STUDIES**	**10th**
COURSE TITLE	DIPLOMA THESIS II		

INDEPENDENT TEACHING ACTIVITIES	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
-	-	15

COURSE TYPE	Skills Development
PREREQUISITE COURSES:	-
TEACHING AND ASSESSMENT LANGUAGE:	Greek [in English to Erasmus+ Students]
THE COURSE IS OFFERED TO ERASMUS STUDENTS	Yes [after agreement with a Faculty Member]
COURSE WEBPAGE (URL)	http://www.pharmacy.upatras.gr/images/DS/PHA-E21-EN.pdf

2. LEARNING OUTCOMES

Learning Outcomes

The Learning Outcomes of this course corresponding to Level 7, comprise the following:

- Highly specialized knowledge in the field that will be chosen by each student, as a basis for the object of his/hers Diploma Thesis through innovative thinking and research
- Critical understanding of the knowledge status in the selected field and its interrelationship with other fields
- Specialized skills for problem-solving, necessary in research and/or in innovation, in order to generate novel knowledge and processes
- Management and evolution in changing, unpredictable and complex work environments, requiring novel strategic approaches
- Responsibility for contributing to the enrichment of professional knowledge and practice in the field

Specifically, following this course, and according to the specialized field where the investigation is set, the students will be asked to search and select the appropriate methodological approaches, but also to manage them effectively in order to address the distinct research question assigned to them.

The course provides to the students in-depth understanding and familiarization with tools which they will use in their future professional steps, by accessing and utilizing the possibilities and research experience provided by the research structures of the Department, as well as the experience of the Academic Personnel in the particular research subject.

The end result is the enhancement of each student's ability to analyze a scientific question, to become familiar with the respective scientific field, to evaluate experimental and bibliographic data, to propose and/ or apply methodological approaches, and finally to compose pre-existing with new knowledge in order to support specific conclusions.

General Abilities

- Search, analyze and synthesize data and information, using the appropriate technologies and / or laboratory-experimental tools
- Extensive and synthetic use of knowledge and skills offered to him in previous years
- Familiarity with the tools and methodology of the scientific field of the Diploma Thesis
- Practice critical thinking
- Production of new research proposals based on a synthetic knowledge-based approach
- Development of free, creative and inductive thinking
- Strengthening of the student's skills of cooperation and ability for coordinated work within a research team
- Presentation skills and ability to advance arguments on the conclusions of the dissertation
- Work in an international environment.
- Work in an interdisciplinary environment.
- Project design and management.
- Decision making.
- Demonstration of social, professional and moral responsibility and sensitivity.
- Adaptation to new situations
- Decision making
- Autonomous work
- Practice criticism and self-criticism
- Promoting free, creative and inductive thinking

3. COURSE CONTENT

The content of the course is determined by the specific field of study and the research subject given by each supervisor who is also responsible for the assignment of the subject and the monitoring of the progress of each student.

The Department of Pharmacy, based on the research interests of its Faculty and the scientific subjects/fields related to the teaching it provides, enables students to select topics in various specializations throughout the field of Pharmaceutical Sciences.

Indicatively, some basic axes are mentioned below:

- Pharmaceutical Chemistry - Pharmacognosy
- Pharmaceutical Technology - Pharmaceutical Analysis
- Pharmacology - Molecular Biology - Pharmacogenomics
- Pharmacoeconomics

4. TEACHING AND LEARNING METHODS - ASSESSMENT

Teaching method	The training of students is done face to face and in collaboration with the supervisor, while the assistance of postgraduate students (especially in experimentation-based Diploma Theses) is always constructive and is expected.

Use of information and communication technologies	Whenever required, information and communication technologies will used, e.g. via E-class or Skype-for-Business.
Teaching organization	***Teaching Method*** ***Semester Workload*** Preparation of the Diploma Thesis 375 ***Total number of hours for the Course*** **(25 hours of work-load per ECTS credit) 375**
STUDENT ASSESSMENT	Students are evaluated by the supervisor throughout the preparation of their Thesis. In addition, in the end they are evaluated on the basis of a written Diploma Thesis dissertation which they submit and a presentation of the outcomes of their work before a three-member examination committee. The evaluation criteria are explicitly defined by the regulations approved by the Department.

5. RECOMMENDED LITERATURE

Bibliographical sources and scientific magazines used will vary from case to case depending on the nature of the work to be performed or undertaken by the trainee student.